

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/002204

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D471/04 C07D487/04 C07K7/52 A61K38/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BELVISI, LAURA ET AL: "Cyclic RGD peptides containing azabicycloalkane reverse-turn mimics" HELVETICA CHIMICA ACTA, 85(12), 4353-4368 CODEN: HCACAV; ISSN: 0018-019X, 2002, XP001183922 abstract page 4355; compounds 1,3 ----- -/--	1-36

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search

12 October 2004

Date of mailing of the international search report

20/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Samsam Bakhtiary, M

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GENNARI CESARE ET AL: "Solid-phase synthesis of peptides containing reverse-turn mimetic bicyclic lactams" EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, EDITIONS SCIENTIFIQUE ELSEVIER, PARIS, FR, no. 2, 1999, pages 379-388, XP002180752 ISSN: 0223-5234 abstract page 380; compounds 14A,14B,15A,15B page 381; compounds 1B,2B,3B	1-36
X	WO 97/05160 A (PALEARI FABIO ; CRISCUOLI MARCO (IT); SALIMBENI ALDO (IT); MENARINI FA) 13 February 1997 (1997-02-13) page 7, lines 10-15 examples 1-9	1-13
X	WO 96/30396 A (KAHN MICHAEL ; MOLECUMETICS LTD (US)) 3 October 1996 (1996-10-03) pages 94-100	1-4,9-15
X	BELVISI LAURA ET AL: "Conformational preferences of peptides containing reverse-turn mimetic bicyclic lactams. Inverse.gamma.-turns versus type-II'.beta.-turns. Insights into.beta.-hairpin stability" EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, EDITIONS SCIENTIFIQUE ELSEVIER, PARIS, FR, no. 2, 1999, pages 389-400, XP002180753 ISSN: 0223-5234 page 390; compound 1B	1-4,9-15
X	COLOMBO L ET AL: "Synthesis of new bicyclic lactam peptidomimetics by ring-closing metathesis reactions" TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 59, no. 25, 16 June 2003 (2003-06-16), pages 4501-4513, XP004430771 ISSN: 0040-4020 abstract page 4503; compounds 11A,11B	1-4,6,9-15
X	COLOMBO L ET AL: "Stereoselective synthesis of 6,5-bicyclic reverse-turn peptidomimetics" TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 54, no. 20, 14 May 1998 (1998-05-14), pages 5325-5336, XP004116433 ISSN: 0040-4020 page 5326; compound 1A page 5328; compound 8A	1-4,9-14
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X	BOATMAN P DOUGLAS ET AL: "Secondary Structure Peptide Mimetics: Design, Synthesis, and Evaluation of .beta.-Strand Mimetic Thrombin Inhibitors" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 42, no. 8, 1999, pages 1367-1375, XP002180751 ISSN: 0022-2623 page 1368; compounds 1,2,3A,3B	1-4,9-15
X	COLOMBO L ET AL: "Conformationally Constrained Dipeptides: Synthesis of 7,5- and 6,5-Fused Bicyclic Lactams by Stereoselective Radical Cyclizations" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 36, no. 4, 23 January 1995 (1995-01-23), pages 625-628, XP004028813 ISSN: 0040-4039 page 627; compound 11	1-4
X	EP 1 077 218 A (SIGMA TAU IND FARMACEUTI) 21 February 2001 (2001-02-21) cited in the application page 5, line 15 - page 7, line 50 figures 4,5,7 claim 1	16-36
A	BELVISI LAURA ET AL: "Conformational analysis of azabicycloalkane amino acid scaffolds as reverse-turn inducer dipeptide mimics" EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, WILEY-VCH VERLAG, WEINHEIM, DE, no. 14, 2000, pages 2563-2569, XP002180748 ISSN: 1434-193X page 2564 - page 2565; compounds 1-13	1-15
A	WO 98/27112 A (MERCK PATENT GMBH ; GOODMAN SIMON (DE); FITTSCHEN CLAUS (DE); HOELZEMA) 25 June 1998 (1998-06-25) the whole document	1-36
A	WO 91/15515 A (JOLLA CANCER RES FOUND) 17 October 1991 (1991-10-17) the whole document	1-36
A	WO 96/00581 A (VANDERSLICE PETER ; BECK PAMELA J (US); KOGAN TIMOTHY P (US); REN KAIJ) 11 January 1996 (1996-01-11) the whole document	1-36

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